

Name: _____

Dental Hygiene/Hygienist

Directions:

Evaluate the student by entering the appropriate number to indicate the degree of competency. The rating for each task should reflect employability readiness rather than the grades given in class.

Student Rating Scale:

- 0 No Exposure** – no experience/knowledge in this area
- 1 Knowledge Received** – area is understood
- 2 Limited Skill** – has exposure, but additional training and supervision is required
- 3 Moderately Skilled** – limited training and supervision may be required, but progress is being made
- 4 Skilled** – no additional training is required; the competency has been mastered and knowledge can be transferred to other applications

0	1	2	3	4	A. Demonstrate professional communication skills	Notes:
					1. Communicate effectively with clients, colleagues, and other professionals	
					2. Demonstrate proper oral communication	
					3. Demonstrate proper written communication	
					4. Utilize effective interpersonal skills	
					5. Demonstrate teamwork	
					6. Utilize motivation techniques	
					Other:	

0	1	2	3	4	B. Practice ethical behavior	Notes:
					1. Describe the functions of the dental hygienist	
					2. Describe the legal, moral, and ethical aspects of dental hygiene	
					3. Demonstrate a professional work ethic (e.g., appearance, dress, and punctuality)	
					Other:	

0	1	2	3	4	C. Explain, develop and implement dental health education and community dentistry programming	Notes:
					1. Assess the needs of the target audience for an educational program	
					2. Develop an educational program for a community dental health program	
					3. Present an educational program for a community dental health program	
					4. Describe community dental health activities that relate to the promotion of health and prevention and control of oral conditions	
					5. Describe available community resources to promote wellness	
					6. Describe the current epidemiological trends and studies of oral conditions	
					7. Identify research methodologies used in studies related to oral health	

					8. Explain how cultural practices impact health	
					9. Explain appropriate treatment modifications for the special needs client	
					10. Provide appropriate care to the special needs client	
					Other:	

0	1	2	3	4	D. Explain the normal anatomy and physiology of systems of the body	Notes:
					1. Explain the function of body systems to maintain homeostasis	
					2. Explain the normal anatomy and physiology of the skeletal system	
					3. Explain the normal anatomy and physiology of the nervous system	
					4. Explain the normal anatomy and physiology of the muscular system	
					5. Explain the normal anatomy and physiology of the endocrine system	
					6. Explain the normal anatomy and physiology of the circulatory system	
					7. Explain the normal anatomy and physiology of the respiratory system	
					8. Explain the normal anatomy and physiology of the gastrointestinal system	
					9. Explain the normal anatomy and physiology of the urinary system	
					10. Explain the normal anatomy and physiology of the reproductive system	
					11. Explain the normal anatomy and physiology of the lymphatic system	
					12. Explain the normal anatomy and physiology of the head and neck	
					Other:	

0	1	2	3	4	E. Explain dental anatomy and morphology	Notes:
					1. Use appropriate dental terminology and abbreviations	
					2. Explain primary and permanent tooth morphology	
					3. Explain primary and permanent dentition and tooth classification	
					4. Explain primary and permanent tooth eruption sequences	
					5. Explain occlusion and malocclusion	
					Other:	

0	1	2	3	4	F. Identify and assess normal versus abnormal dental pathology	Notes:
					1. Assess normal versus abnormal cellular conditions	
					2. Identify the etiology of abnormal cellular conditions	
					Other:	

0	1	2	3	4	G. Explain the principles of chemistry, biochemistry and nutrition as they relate to human physiology	Notes:
					1. Explain the basic principles of biochemistry as it relates to nutrition	
					2. Explain the process of digestion as it relates to carbohydrates, lipids, and proteins	
					3. Explain the process of absorption as it relates to carbohydrates, lipids, and proteins	
					4. Explain the process of metabolism as it relates to carbohydrates, lipids, and proteins	
					5. Summarize how metabolism is regulated	
					6. Interpret the chemistry of the oral environment (e.g., periodontal disease and dental caries)	
					7. Explain the sources and functions of vitamins and minerals	
					8. Explain the functions of water	
					9. Compare the relationship between health and nutrition across the lifespan	
					10. Utilize principles of diet therapy in administering client care	
					11. Assess general nutrition status	
					Other:	

0	1	2	3	4	H. Explain the concepts of microbiology, immunology and mechanisms of infectious disease as related to dental hygiene	Notes:
					1. Explain the basic characteristics of microorganisms (e.g., bacteria, fungus, and viruses)	
					2. Explain microbial genetics	
					3. Explain the concept of immunology	
					4. Explain the morphology, physiology, and pathogenic mechanisms of infectious disease	
					5. Explain the major groups of bacteria that colonize in the oral cavity	
					Other:	

0	1	2	3	4	I. Describe periodontia, periodontal diseases and therapies	Notes:
					1. Explain the anatomy and histological structure of the periodontia	
					2. Differentiate between the classifications of periodontal disease as established by the American Academy of Periodontology	
					3. Describe the epidemiology of periodontal disease and gingivitis	
					4. Analyze the clinical and radiographic features of periodontal disease	
					5. Explain the surgical and non-surgical periodontal therapies	
					6. Explain the treatment of gingivitis	

					Other:	
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0	1	2	3	4	J. Explain drug specifics, actions, and laws and regulations related to dental pharmacology	Notes:
					1. Use the appropriate pharmacological terminology and abbreviations	
					2. Explain the absorption, bio-transformation, distribution, and excretion of drugs	
					3. Identify the sources of drug information	
					4. Identify the routes of drug administration	
					5. Explain the drug receptor reactions and mechanisms of drug action	
					6. Explain drug interactions, mechanisms, and classifications	
					7. Explain the indications, precautions, adverse reactions, and contra-indications of medication	
					8. Interpret written prescriptions	
					9. Describe drug laws and regulations	
					10. Describe the pharmacology of drug groups that contain agents with use in clinical dentistry	
					Other:	

0	1	2	3	4	K. Explain and use appropriate anesthesia	Notes:
					1. Identify anatomic structures to deliver infiltration and block anesthesia	
					2. Utilize the appropriate anesthesia agent	
					3. Explain how to manage complications and emergencies associated with local infiltration and block anesthesia	
					4. Explain the indications, precautions, adverse reactions, and contra-indications of anesthesia	
					Other:	

0	1	2	3	4	L. Explain and demonstrate infection control and occupational safety procedures	Notes:
					1. Demonstrate proper hand washing techniques	
					2. Demonstrate universal precaution techniques	
					3. Explain the actions, uses, advantages, and disadvantages of antimicrobial agents and sterilization procedures	
					4. Demonstrate the optimum sterilization and/or disinfection procedures	
					5. Dispose of hazardous equipment and materials according to the Occupational Safety and Health Administration guidelines	
					6. Demonstrate the proper cleaning and packing of instruments for sterilization	
					7. Demonstrate proper operator preparation using aseptic techniques	

					8. Demonstrate proper operatory maintenance using aseptic techniques	
					Other:	

0	1	2	3	4	M. Explain, produce and recognize normal structures on radiographic plates	Notes:
					1. Use appropriate radiologic terminology and abbreviations	
					2. Explain radiation procedures and the measurement of beam quality and quantity	
					3. Explain the calculation of exposure factors and production of scatter radiation	
					4. Explain the biological effects of ionizing radiation	
					5. Explain the importance and purpose of radiation protection for the client and operator	
					6. Explain image formation and the factors that influence radiographic quality	
					7. Explain the film-processing procedure	
					8. Produce a quality bite wing radiograph	
					9. Produce a quality occlusal radiograph	
					10. Produce a quality periapical radiograph	
					11. Produce a quality panoramic radiograph	
					12. Produce a quality external radiograph	
					13. Produce a quality oral radiograph	
					14. Recognize the normal radiographic appearance of teeth and bone	
					15. Explain how to correct radiographic errors	
					16. Demonstrate the proper mounting of radiographs	
					Other:	

0	1	2	3	4	N. Explain the properties of and demonstrate the application and use of dental materials	Notes:
					1. Explain the properties of dental materials	
					2. Demonstrate applications of dental materials	
					3. Perform a bite registration	
					4. Mix an alginate	
					5. Take an alginate impression	
					6. Pour a plaster or stone cast impression	
					7. Trim a plaster or stone cast impression	
					Other:	

0	1	2	3	4	O. Demonstrate and document clinical dental hygiene	Notes:
					1. Obtain a medical and dental history	
					2. Demonstrate the proper client / operator position	
					3. Measure vital signs	
					4. Demonstrate the proper instrumentation and usage of an explorer	
					5. Demonstrate the proper instrumentation and usage of a probe	
					6. Demonstrate the proper instrumentation and usage of a probe	
					7. Demonstrate the proper instrumentation and usage of a scaler/curette	
					8. Demonstrate the proper instrumentation and usage of an ultrasonic/sonic prophylaxis jet	
					9. Demonstrate the proper instrumentation and usage of rubber cup polishing	
					10. Perform a fluoride treatment	
					11. Apply dental sealants	
					12. Polish an amalgam	
					13. Demonstrate instrument sharpening	
					14. Instruct the client on the appropriate use of oral physiology therapy aids	
					15. Perform an inspection of the head and neck	
					16. Perform an oral inspection of the soft tissues	
					17. Perform a periodontal assessment	
					18. Perform dental charting	
					19. Perform supia/subgingival scaling and root planing	
					20. Demonstrate the proper injection technique for infiltration and block anesthesia	
					21. Demonstrate the proper use of nitrous oxide	
					22. Demonstrate basic life support	
					23. Apply a rubber dam	
					24. Devise a treatment plan	
					25. Interpret plaque, gingival, and bleeding index scores	
					26. Apply desensitizing agents	
					27. Place periodontal dressings	
					28. Remove sutures and periodontal dressings	
					29. Document client assessment and treatment	

					30. Demonstrate proper maintenance and instrumentation of dental implants	
					31. Recognize medical emergencies and the proper protocol for treatment	
					32. Demonstrate critical thinking and problem-solving skills	
					33. Manage time effectively	
					Other:	

0	1	2	3	4	P. Demonstrate leadership competencies	Notes:
					1. Demonstrate an understanding of SkillsUSA-VICA, its structure, and activities	
					2. Demonstrate an understanding of one's personal values	
					3. Perform tasks related to effective personal management skills	
					4. Demonstrate interpersonal skills	
					5. Demonstrate etiquette and courtesy	
					6. Demonstrate effectiveness in oral and written communication	
					7. Develop and maintain a code of professional ethics	
					8. Maintain a good professional appearance	
					9. Perform basic tasks related to securing and terminating employees	
					10. Perform basic parliamentary procedures in a group meeting	
					Other:	

*****NOTE: These competencies are addressed in the Missouri SkillsUSA-VICA Curriculum Guide lessons***